

FORM PTO-1449
(MODIFIED)

OCT 07 2004

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
KCC-14,280SERIAL NO.
09/855,195**LIST OF PRIOR ART CITED BY APPLICANT**
(Use several sheets if necessary)APPLICANT(S)
Raymond Jeffrey MAY et al.FILING DATE
14 May 2001

GROUP

1733 3700

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,489,148	01/1970	Duncan et al.			
	AB	3,838,692	10/1974	Levesque			
	AC	3,857,144	12/1974	Bustin			
	AD	3,860,003	01/1975	Buell			
	AE	3,904,465	09/1975	Haase et al.			
	AF	3,932,328	01/1976	Korpman			
	AG	3,949,128	04/1976	Ostermeter			
	AH	3,973,063	08/1976	Clayton			
	AI	3,979,050	09/1976	Cilia			
	AJ	4,028,292	06/1977	Korpman			
	AK	4,038,346	07/1977	Feeney			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	EP 0 155 636	09/1985	EP				
	AM	EP 0 217 032	04/1987	EP				
	AN	GB 2 267 024	11/1993	GB				
	AO	WO 95/16425	06/1995	PCT				
	AP	EP 0 689 815	01/1996	EP				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

K.M. Reiche

DATE CONSIDERED

1-11-05

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USCOMM-DC 80-3985

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	AA	4,080,348	03/1978	Korpman			
	AB	4,248,652	02/1981	Civardi et al.			
	AC	4,285,998	08/1981	Thibodeau			
	AD	4,340,558	07/1982	Hendrickson			
	AE	4,402,688	09/1983	Julemont			
	AF	4,438,167	03/1984	Schwarz			
	AG	4,500,316	02/1985	Damico			
	AH	4,522,863	06/1985	Keck et al.			
	AI	4,644,045	02/1987	Fowells			
	AJ	4,734,447	03/1988	Hattori et al.			
	AK	4,798,603	01/1989	Meyer et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	AL	WO 96/13989	05/1996	PCT				
	AM	EP 0 396 800	11/1990	EP				
	AN	WO 91/07277	05/1991	PCT				
	AO	2,165,486	06/1996	CA				
	AP	WO 97/17046	05/1997	PCT				

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,818,597	04/1989	DaPonte et al.			
	AB	4,837,715	06/1989	Ungpiyakul et al.			
	AC	4,867,735	09/1989	Wogelius			
	AD	4,908,253	03/1990	Rasmussen			
	AE	4,935,021	06/1990	Huffman et al.			
	AF	4,938,757	07/1990	Van Gompel et al.			
	AG	5,005,215	04/1991	McIlquham			
	AH	5,013,785	05/1991	Mizui			
	AI	5,028,646	07/1991	Miller et al.			
	AJ	5,034,008	07/1991	Breitkopf			
	AK	5,045,133	09/1991	DaPonte et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
mu	AL	10-075978	03/1998	JP				
mu	AM	10-165438	06/1998	JP				
	AN	EP 0 873 738	10/1998	EP				
	AO	WO 98/49988	11/1998	PCT				
	AP	EP 0 888 101	01/1999	EP				

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	AA	5,046,272	09/1991	Vogt et al.			
	AB	5,104,116	04/1992	Pohjola			
	AC	5,108,820	04/1992	Kaneko et al.			
	AD	5,112,889	05/1992	Miller et al.			
	AE	5,116,662	05/1992	Morman			
	AF	5,163,932	11/1992	Nomura et al.			
	AG	5,176,672	01/1993	Bruemmer et al.			
	AH	5,176,668	01/1993	Bernardin			
	AI	5,192,606	03/1993	Proxmire et al.			
	AJ	5,224,405	07/1993	Pohjola			
	AK	5,252,170	10/1993	Schaupp			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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RM	AL	EP 0 901 780	03/1999	EP				
	AM	WO 99/24519	05/1999	PCT				
	AN	WO 99/47590	09/1999	PCT				
	AO	WO 00/10500	03/2000	PCT				
	AP	WO 00/29199	05/2000	PCT				

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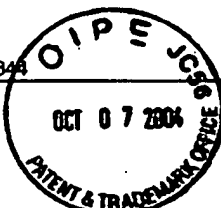
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,290,842	03/1994	Sasaki et al.			
	AB	5,336,552	08/1994	Strack et al.			
	AC	5,342,341	08/1994	Igaue et al.			
	AD	5,364,382	11/1994	Latimer et al.			
	AE	5,376,430	12/1994	Swenson et al.			
	AF	5,382,400	01/1995	Pike et al.			
	AG	5,399,219	03/1995	Roessler et al.			
	AH	5,415,644	05/1995	Enloe			
	AI	5,422,172	06/1995	Wu			
	AJ	5,429,629	07/1995	Latimer et al.			
	AK	5,476,458	12/1995	Glaug et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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an	AL	WO 00/37723	06/2000	PCT				
	AM	WO 00/59429	10/2000	PCT				
	AN	WO 01/00053	01/2001	PCT				
	AO	WO 01/32116	05/2001	PCT				
m	AP	WO 01/49907	07/2001	PCT				

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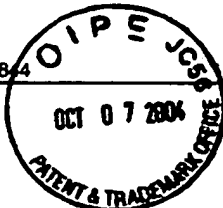
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	AA	5,486,166	01/1996	Bishop et al.			
	AB	5,490,846	02/1996	Ellis et al.			
	AC	5,496,298	03/1996	Kuepper et al.			
	AD	5,501,679	03/1996	Krueger et al.			
	AE	5,509,915	04/1996	Hanson et al.			
	AF	5,527,300	06/1996	Sauer			
	AG	5,540,976	07/1996	Shawver et al.			
	AH	5,543,206	08/1996	Austin et al.			
	AI	5,591,792	01/1997	Hattori et al.			
	AJ	5,595,618	01/1997	Fries et al.			
	AK	5,614,276	03/1997	Petsetakis			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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MR	AL	WO 01/87214	11/2001	PCT				
MR	AM	WO 02/34184	05/2002	PCT				
MR	AN	WO 02/060690	08/2002	PCT				
	AO							
	AP							

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	AA	5,620,780	04/1997	Krueger et al.			
	AB	5,663,228	09/1997	Sasaki et al.			
	AC	5,674,216	10/1997	Buell et al.			
	AD	5,680,653	10/1997	Mathis et al.			
	AE	5,691,034	11/1997	Krueger et al.			
	AF	5,702,378	12/1997	Widlund et al.			
	AG	5,707,709	01/1998	Blake			
	AH	5,766,389	06/1998	Brandon et al.			
	AI	5,789,474	08/1998	Lu et al.			
	AJ	5,800,903	09/1998	Wood et al.			
	AK	5,804,021	09/1998	Abuto et al.			

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	AA	5,804,286	09/1998	Quantrille et al.			
	AB	5,818,719	10/1998	Brandon et al.			
	AC	5,840,412	11/1998	Wood et al.			
	AD	5,840,633	11/1998	Kurihara et al.			
	AE	5,846,232	12/1998	Serbiak et al.			
	AF	5,849,001	12/1998	Torimae et al.			
	AG	5,856,387	01/1999	Sasaki et al.			
	AH	5,860,945	01/1999	Cramer et al.			
	AI	5,865,933	02/1999	Morin et al.			
	AJ	5,885,656	03/1999	Goldwasser			
	AK	5,921,973	07/1999	Newkirk et al.			

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	AA	5,930,139	07/1999	Chapdelaine et al.			
	AB	5,931,581	08/1999	Garberg et al.			
	AC	5,932,039	08/1999	Popp et al.			
	AD	5,964,973	10/1999	Heath et al.			
	AE	5,990,377	11/1999	Chen et al.			
	AF	5,993,433	11/1999	St. Louis et al.			
	AG	6,009,558	01/2000	Rosch et al.			
	AH	6,048,326	04/2000	Davis et al.			
	AI	6,066,369	05/2000	Schulz et al.			
	AJ	6,087,550	07/2000	Anderson-Fischer et al.			
	AK	6,090,234	07/2000	Barone et al.			

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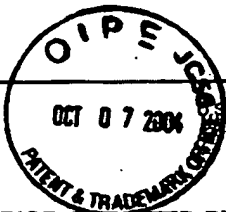
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	AA	6,092,002	07/2000	Kastman et al.			
	AB	6,093,663	07/2000	Ouellette et al.			
	AC	6,096,668	08/2000	Abuto et al.			
	AD	6,123,694	09/2000	Pieniak et al.			
	AE	6,132,410	10/2000	Van Gompel et al.			
	AF	6,152,904	11/2000	Matthews et al.			
	AG	6,169,848	01/2001	Henry			
	AH	6,183,587	02/2001	McFall et al.			
	AI	6,183,847	02/2001	Goldwasser			
	AJ	6,214,476	04/2001	Ikeda et al.			
	AK	6,217,690	04/2001	Rajala et al.			

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	AB	6,245,050	06/2001	Odorzynski et al.			
	AC	6,245,168	06/2001	Coenen et al.			
	AD	6,260,211	07/2001	Rajala et al.			
	AE	6,279,807	08/2001	Crowley et al.			
	AF	6,290,979	09/2001	Roe et al.			
	AG	6,310,164	10/2001	Morizono et al.			
	AH	6,316,013	11/2001	Paul et al.			
	AI	6,316,687	11/2001	Davis et al.			
	AJ	6,316,688	11/2001	Hammons et al.			
	AK	6,320,096	11/2001	Inoue et al.			

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	AB	6,365,659	04/2002	Aoyama et al.			
	AC	6,475,600	11/2002	Morman et al.			
	AD	20020104608	08/2002	Welch et al.			
	AE	20020138063	09/2002	Kuen et al.			
	AF	20020164465	11/2002	Curro et al.			
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	AA	4,883,779	09/1989	Daponte			
RM	AB	4,940,464	07/1990	Van Gompel et al.	X	X	
	AC	4,968,313	11/1990	Sabeu			
mm	AD	H1420 (Statutory Invention Registration)	02/1995	Richardson	X	X	
mm	AE	5,582,606	12/1996	Bruemmer et al.	X	X	
	AF	5,733,822	03/1998	Gessner et al.			
	AG	5,804,288	09/1998	Quantille et al.			
mm	AH	5,883,028	03/1999	Morman et al.	X	X	
	AI	5,906,637	05/1999	Davis et al.	X	X	
	AJ	5,952,232	09/1999	Shawver et al.			
mm	AK	6,121,510	09/2000	Sauer	X	X	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AI	WO 89/07729	08/1989	PC	X	X		
	AM							
	AN							
	AO							
	AP							

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EXAMINER

K M. Leuchter

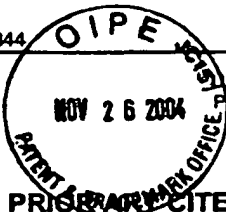
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U.S. PATENT DOCUMENTS

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mr	AA	6,248,097 B1	06/2001	Beitz et al.	X	X	
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	AH						
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